

United States Patent [19]

Lehrer et al.

[11] Patent Number: **4,705,777**

[45] Date of Patent: * **Nov. 10, 1987**

[54] **CATIONIC OLIGOPEPTIDES HAVING MICROBICIDAL ACTIVITY**

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[*] Notice: The portion of the term of this patent subsequent to Sep. 24, 2002 has been disclaimed.

[21] Appl. No.: **750,378**

[22] Filed: **Jun. 28, 1985**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 705,455, Feb. 25, 1985, abandoned, which is a continuation-in-part of Ser. No. 609,410, May 11, 1984, Pat. No. 4,659,692, which is a continuation-in-part of Ser. No. 443,087, Nov. 19, 1982, Pat. No. 4,543,252, which is a continuation-in-part of Ser. No. 341,394, Jan. 21, 1982, abandoned.

[51] Int. Cl.⁴ **A61K 37/02; C07K 7/10**

[52] U.S. Cl. **514/12; 530/324**

[58] Field of Search **530/324; 514/12**

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,543,252 9/1985 Lehrer et al. 530/324

OTHER PUBLICATIONS

The Journal of Biological Chem., 258, (1983), 14485-14489.

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[57] **ABSTRACT**

Novel microbicidal compositions are provided which find use as preservatives, disinfectants, antigens and the like. Particularly, cationic oligopeptides of up to about thirty-five amino acids are provided having amino acid sequences substantially comparable to the amino acid sequences of cationic oligopeptides produced by macrophage. A conserved framework structure is provided.

11 Claims, 1 Drawing Figure